



Color Way HPW™ Series

WATER BASED

Technical Data Sheet

Color Way HPW™ Series is the water based solution for the market requirements for PVC&Phthalate-Free inks. Color Way HPW™ inks are ecological water based inks with economical prices. Recommended substrates for HPW inks are 100% cotton, cotton blends. (*There is also an ink in this series to print on 100% Polyesters). *Note: It is advised to wait for 24 hours before washing.

* **Non-Contamination:** HPW Series™ inks should not be modified or come in contact with any PVC or Phthalate containing ink. Use only recommended additives in order to prevent any contamination. All equipment which comes in contact with HPW Series inks (like mixing apparatus, squeegees, buckets, flood bars, screens, etc.) must be cleaned properly (free of inks or materials which may contaminate the HPW Series inks) before every use.

FEATURES

- PVC & Phthalate Free!
- Ready to print
- Economical

PRINTER'S GUIDE

Bleed Resistance	Excellent
Stencil Type	Most direct emulsion stencils are suitable.
Mesh	43-77 t/cm (110-195 t/in)
Retarder	PWB-R10 Retarding Agent / Up to 3% by weight may be added to soften the hand and retard curing time. This also reduces the viscosity of the ink.
Fixing Agent	PWB-F44 Fixing Agent / Up to 2% by weight (<i>recommended</i>) or HPW-940 Fixing Agent / Up to 1% by weight may be added to increase fixing on difficult substrates and improving washing fastness. Adding more than specified will harden the feel and block the screen.
Thickener	PWB-T20 Thickener / Up to 3% by weight (<i>recommended</i>) or HPW-930 Thickener / Up to 5% by weight
Curing Information	150-170°C (302-338°F) / 1-3 minutes However, factors such as ink film thickness, curing equipment and fabric may influence the optimum cure time.
Storage	5-25°C (41-77°F). Avoid direct sun.
Cleanup	Water

Pastes

HPW-105	Rotation Mat-White
HPW-111	Ultra Mat-White
HPW-210	Dark Floor Base
HPW-220	Discharge White
HPW-225	Discharge Base
HPW-228	Discharge Activator ST
HPW-229	Discharge Activator EC
HPW-310	Printing Paste (w. gas)
HPW-320	Polyester Paste
HPW-410	Foil-Resist White

HPW-415	Foil-Resist Base
HPW-510	Crackle White
HPW-515	Crackle Base
HPW-610	Metallic Base
HPW-620	Glitter Base
HPW-630	Pearlescent Base
HPW-640	Puff Base
HPW-710	Glitter Base (for spraying)
HPW-720	Ultra Mat-White (for spraying)
HPW-730	Thinner (for spraying)
Additives	

HPW-910	Emulsifier
HPW-920	Softener
HPW-930	Thickener
HPW-940	Fixing Agent
HPW-960	Anti-Foam Agent
HPW-970	Binder
HPW-F20	Flock Adhesive Cross Binder
Special Effects	
HPW-F15	Flock Adhesive
HPW-V15	Foil Adhesive

* All recommendation and statements made, if any, are based on Renk Yolu Kimya's research and experience. However, since Renk Yolu Kimya has no control over the conditions of use or storage of the product sold, Renk Yolu Kimya cannot guarantee the results obtained through the use of its products. All products are sold and samples given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where protective rights of third parties involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.

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